

MAGNETIC RECORDING MEDIUM

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Abstract

PURPOSE: To prevent the reduction of reproduction output to a magnetic head by forming a protective layer of a fluorine-contg. silane coupling agent on a magnetic layer and interposing a silane coupling agent layer between the magnetic layer and the protective layer so as to nearly prevent the scattering and evaporation of a fluorine-contg. lubricant by the coupling agent layer.

CONSTITUTION: An Ni-P alloy underlayer 2 is formed on an Al alloy substrate 1 and a magnetic Ni-Co-P alloy layer 3 of a prescribed thickness is formed on the underlayer 2. A hard silicon oxide layer 4 of about 1,800Angstrom thickness is formed on the layer 3 by sputtering or other method and a silane coupling agent layer 5 is formed on the layer 4 by sputtering, dip coating or other method. Heat treatment is then carried out in the air at a prescribed temp. for a prescribed time to regulate the thickness of the layer 5 to about 30Angstrom . A protective layer 6 of a fluorine-contg. silane coupling agent is further formed on the layer 5 by spin coating.

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